

Process, Program and Thread

Program :

- A program is just a set of instructions written to do something
- A Word document app (e.g., MS Word.exe) is a program.

Process :

- A process is what happens when the program starts running
- When you open the Word app, it becomes a process and runs on your computer

Thread :

- A thread is like a helper working inside the process. Threads divide the work of a process into smaller tasks.
- In a browser, one thread loads a webpage, another handles user clicks, and another runs videos.

Process, Program and Thread

Program: Recipe book waiting to be used.

Process: The cooking happening based on the recipe used by chef.

Thread: The helpers doing specific jobs like chopping, stirring, or serving.